

A)

	Site Sequence	Position	PO ₄ Sequence	SH2	PTB	Mutant
<p>FIG</p> <p>↑</p> <p>↓</p> <p>ROS</p>	DQADIT Y EGRQKM	64				
	VLQAEV Y GARLAA	193				
	ARLAAK Y LDKELA	201				
	IEFEVV Y VAPEVD	361	X			
	DDENVE Y EDESGH	375	X		X	
	DESGHR Y RL Y LDELEG	383,386				
	GLANAC Y AIHTLP	454			X	
	GAFGEV Y EGTAVD	491	X			
	LLNEPQ Y IILELM	554	X	pLC-γ, Shp-2 (N)		Y554F
	GGDLLT Y LRKARM	568	X			
	ARMATF Y GPLLTL	578				
	ISKGCV Y LERMHF	600				
	LVSVKD Y TSPRIV	623	X	ras-GAP,pLC-γ, GRB2		Y623F
	GLARDI Y KND Y YRKRGE	641,645,646				
	TLGHQP Y PAHSNL	693				
	NLDVLN Y VQTGGR	704	X			
	FFLNSI Y KSRDEA	758			X	
NREGLN Y MVLATE	805	X	Shp-2 (N), Shp-1, PI3K		Y805F	
QEKQVA Y CPSGKP	854					
KPEGLN Y ACLTHS	865	X	Shp-2 (N), Shp-1, PI3K		Y865F	
CLTHSG Y GDGSD.	873					

B)

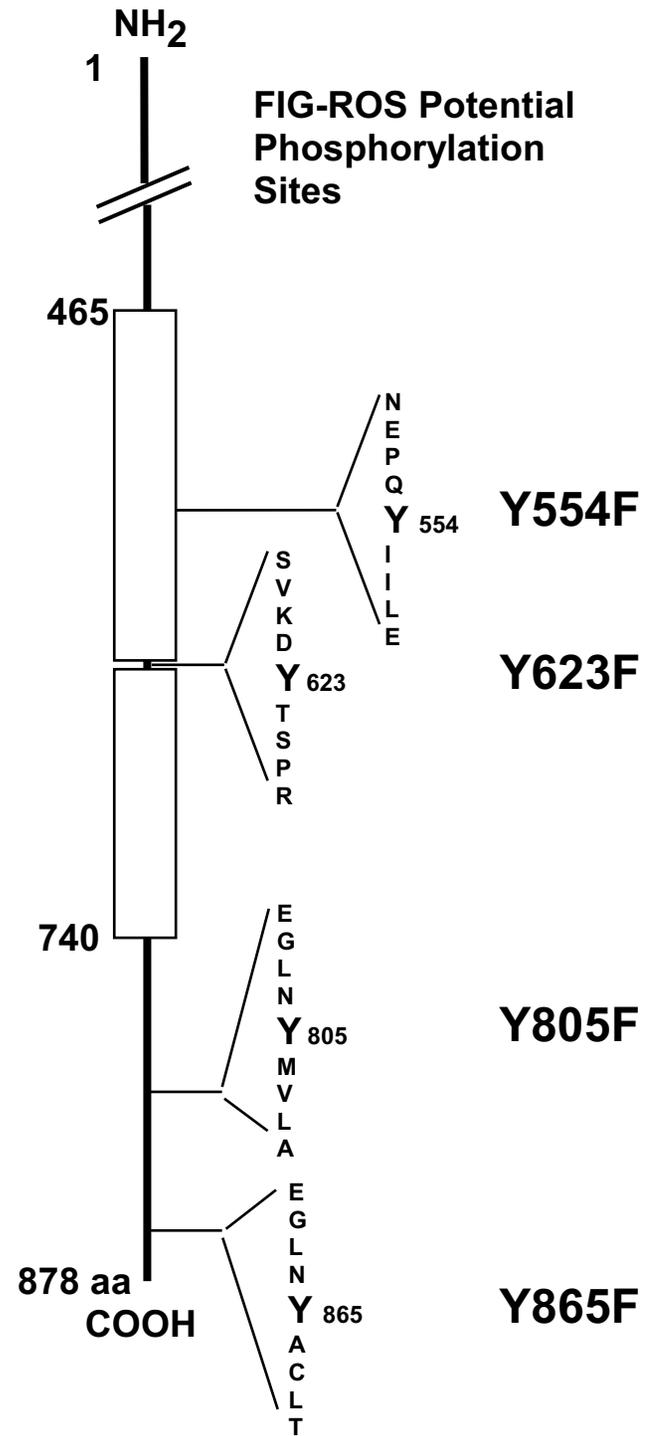


FIG-ROS WT

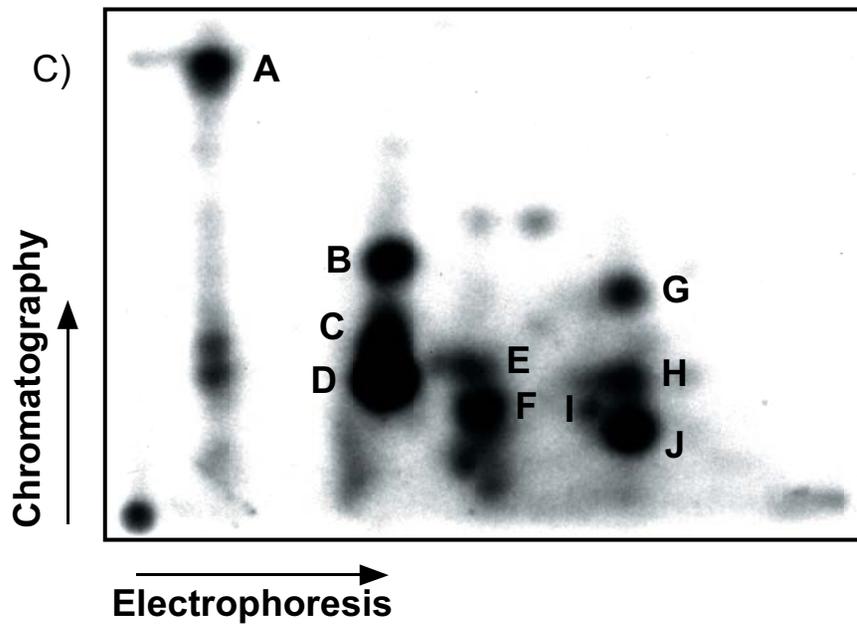


FIG-ROS Y805F

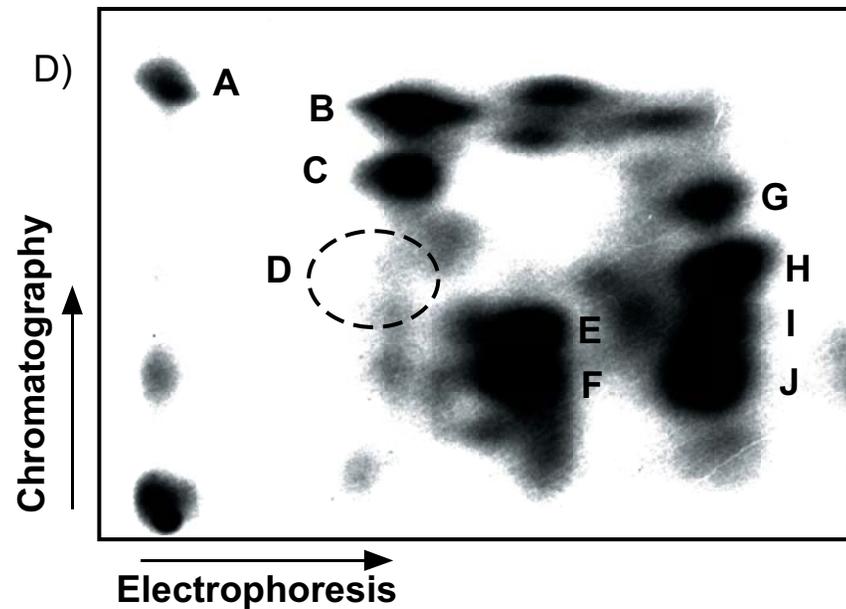


FIG-ROS Y865F

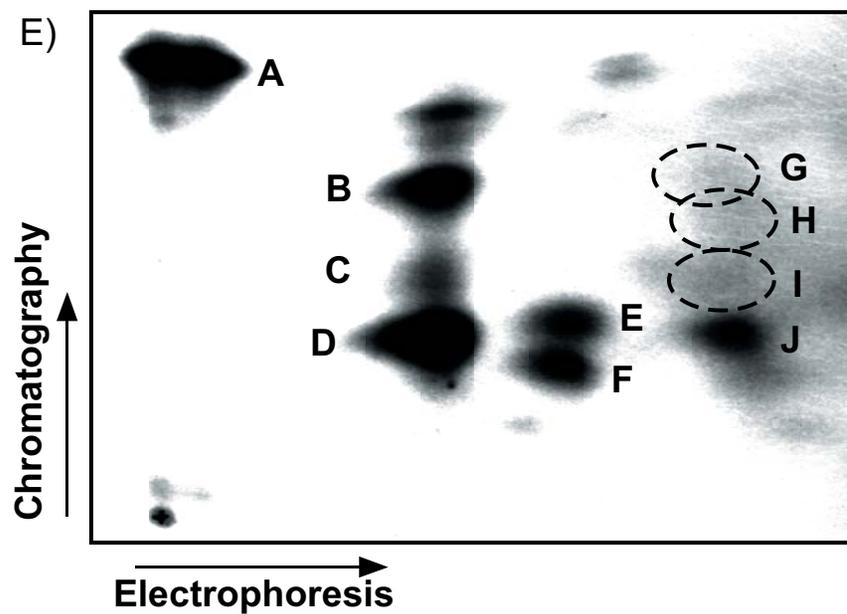


FIG-ROS Y805F, Y865F MIX

